



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

MUNEHISA FUJITA ET AL

Application No: 08/474,715

Group Art Unit: 1113

Filed: JUNE 7, 1995

Examiner: L. WRIGHT

For: DIRECT POSITIVE PHOTOGRAPHIC SILVER HALIDE EMULSION AND COLOR  
PHOTOGRAPHIC LIGHT-SENSITIVE MATERIAL COMPRISING SAME

SUBMISSION OF EXECUTED DECLARATION UNDER 37 CFR 1.132

Assistant Commissioner of Patents  
Washington, D.C. 20231

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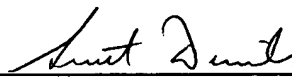
MAY 2 / 1997

Sir:

GROUP 1100

Submitted herewith is an executed Declaration Under 37 C.F.R.  
§1.132 signed by Mr. Munehisa Fujita on May 13, 1997. An  
unexecuted version of this Declaration was filed with the Amendment  
on April 21, 1997.

Very truly yours,

  
Scott M. Daniels  
Reg. No. 32,562

SUGHRUE, MION, ZINN, MACPEAK  
& SEAS  
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Date: May 22, 1997



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DECLARATION UNDER C.F.R. § 1.132

Assistant Commissioner of Patents  
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MAY 2 / 1997

Sir:

I, Munehisa FUJITA, hereby declare and state **GROUP 1100**

THAT I am a citizen of Japan;

THAT I have received a Masters degree in Science, Course of  
Chemistry in March, 1977 from The Tokyo University, Faculty of  
Science;

THAT I have been employed by Fuji Photo Film Co., Ltd. since  
April, 1977, where I have been engaged in research and development  
on the reversal of color photographic materials at the Ashigara  
Research Laboratories; and

THAT the following experiment was performed by me or under my  
direct supervision.

EXPERIMENT

(1) Preparation of Seed Crystals

Seed Crystal No. I1 was prepared in the same manner as  
Emulsion A as disclosed in Evans, using the same prescription as

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for Emulsion A, but without subjecting the crystal to chemical sensitization.

Seed Crystal No. I2 was prepared in the same manner as Emulsion A as disclosed in Evans, using a pure AgBr composition but without subjecting the crystal to chemical sensitization.

(2) Preparation of Emulsions

Emulsion No. J1 used in Evans and Emulsion No. J2 having the following formulation were prepared using the above Seed Crystal Nos. I1 and I2 in the manner shown in the following Table 1'.

TABLE 1' (comparison with Table 1)

Emulsion No.	a/ $\mu$ m	b/ $\mu$ m	pBr	Compound No. (or Name)	Added Amount*	Seed Crystal
J1 (Comp.)	1.00	0.085	2.40	Sodium thiosulfate pentahydrate	4.4mg/Ag-mol	I1
J2 (Inven.)	1.00	0.085	2.40	1-16	63.8mg/Ag-mol	I2

\* = Proportion based on an amount of Ag at the after-ripening step of the core of grain.

(3) Preparation of Samples

The following Sample Nos. 207 and 208 were prepared, using the above emulsions in the manner shown in the following Table 3'.

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TABLE 3' (comparison with Table 3)

Sample No.	8th Layer	15th Layer	22nd Layer
207 (Comparison)	J1	J1	J1
208 (Present Invention)	J2	J2	J2

(4) The test results of the Sample Nos. 207 and 208 are shown in Table 4'.

TABLE 4' (comparison with Table 4)

Maximum Density, Minimum Density,  
Middle Sensitivity and Negative Sensitivity

Sample No.	Maximum Density			Minimum Density			Middle Sensitivity			Negative Sensitivity		
	Y	M	C	Y	M	C	Y	M	C	Y	M	C
207 (Comp.)	1.90	2.06	2.15	0.33	0.34	0.48	86	84	82	118	121	126
208 (Inv.)	2.13	2.33	2.45	0.17	0.16	0.24	112	132	155	78	76	80

(5) As is clear from the results shown above, the sample prepared by using the emulsion which is disclosed in Evans (Emulsion A) exhibited a reduced maximum density, an increased

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minimum density, a reduced middle sensitivity, and an increased high negative sensitivity as compared with those of Comparative Sample No. 101 which described in the present specification. On the other hand, the samples of the present invention provided remarkable effects -- they exhibited an increased middle sensitivity and a reduced high negative sensitivity, without reducing maximum density and without increasing minimum density.

\* \* \*

~~I declare further that all statements made herein of my own~~  
knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Date: May 13, 1997

Munehisa Fujita  
Munehisa FUJITA